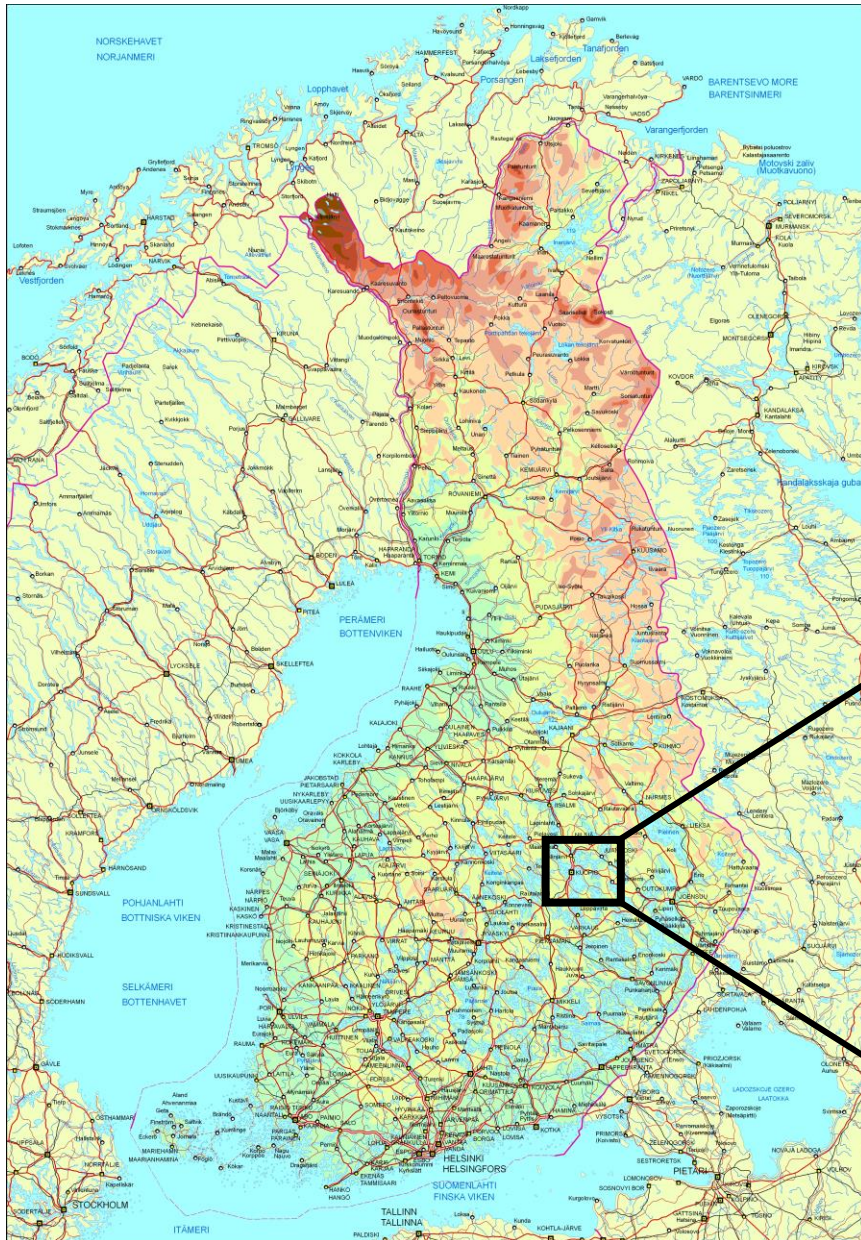


Microplastics in Lake Kallavesi in Finland: Analysis of size distribution and sources

Arto Koistinen, University of Eastern Finland

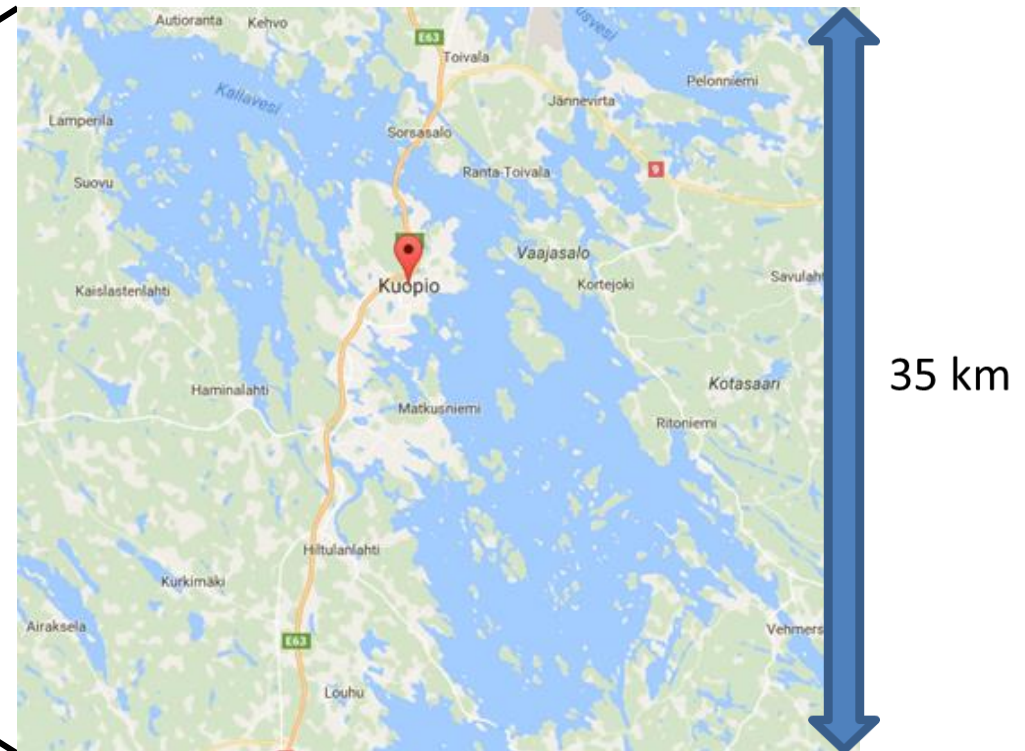


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The city of Kuopio as a "living laboratory"

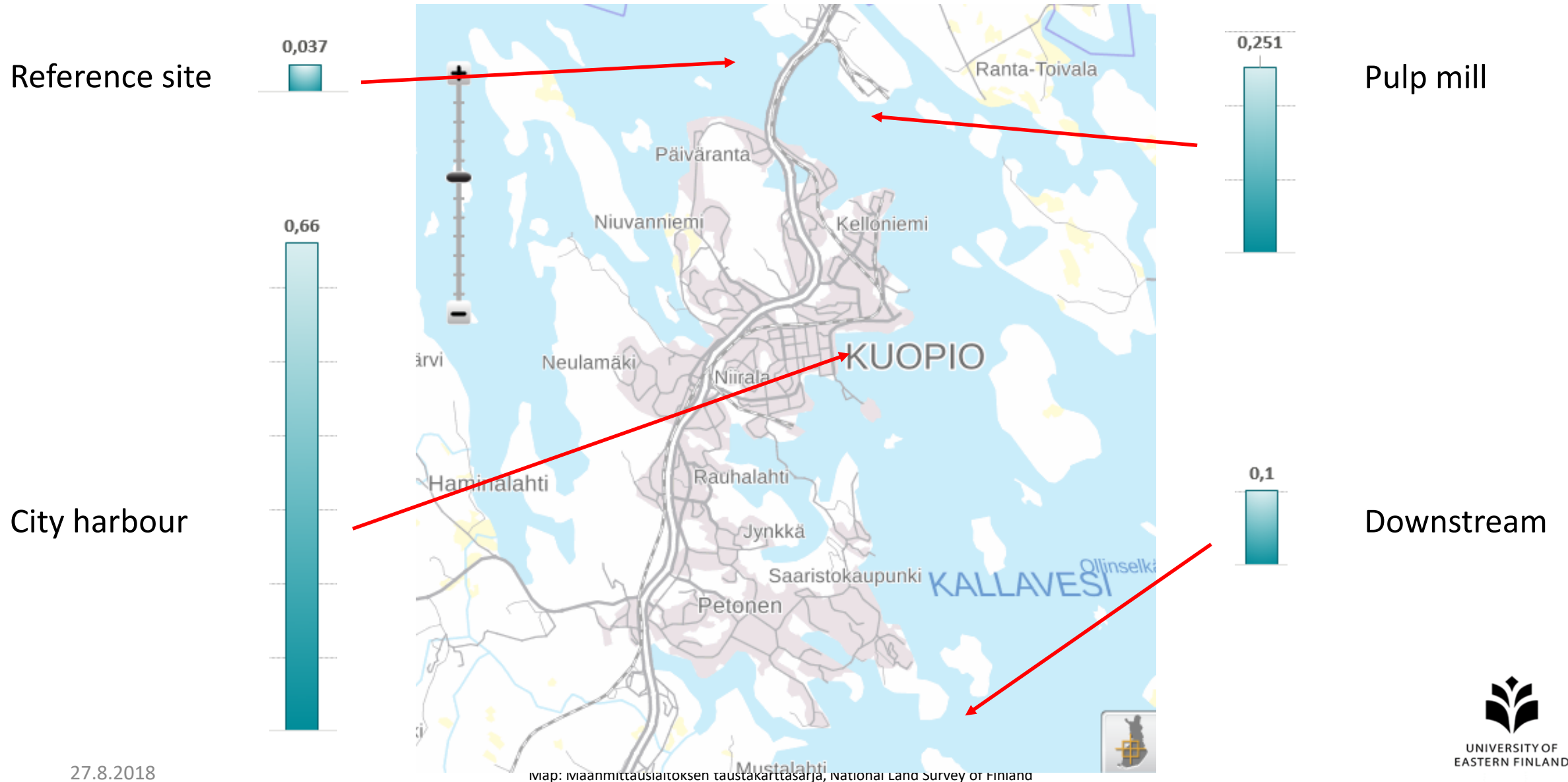
- Population only ~118 000
- The city's urban areas are densely populated (urban area: 1 618 /km²), nationally second
- In Kuopio, there are many different types of microplastic emission sources such as the stormwater system, highway, industry and wastewater discharge pipeline



Sources: Wikipedia and Google Maps (2016)

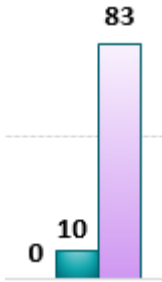


Results – MP > 300 μm concentrations (m^{-3}) in Manta trawl



Results – MP (300, 100 and 20 μm) concentrations, pump filtration

Highway



Snow dumping site



City harbour



WWTP discharge

